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Advanced Six Sigma Pugh Matrix Template – Example

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Situation to Review: **EV Expansion**

Step 1: Identify Your Solutions

List all potential solutions that could address the problem.

Solution 1	Implement high-speed solar-powered charging stations.
Solution 2	Introduce modular, expandable charging units.
Solution 3	Develop ultra-fast charging hubs for urban areas.
Solution 4	Solution 4
Solution 5	Solution 5
Solution 6	Solution 6

Step 2: Identify Criteria

Determine the key criteria for evaluation, such as cost, efficiency, or feasibility.

Criterion 1	Charging Speed	High
Criterion 2	Cost Efficiency	Medium
Criterion 3	User Experience	High
Criterion 4	Energy Consumption	Medium
Criterion 5	Scalability	Low
Criterion 6	Criterion 6	Low

Step 3: Identify Impact Level

Assign an impact level (Low, Medium, High) to each criterion based on its importance.

Criterion 1	High
Criterion 2	Medium
Criterion 3	High
Criterion 4	Medium
Criterion 5	Low
Criterion 6	Low

Step 4: Rank Each Solution Against the Current State

Enter the impact score for each criterion: 5 = High, 3 = Medium, 1 = Low.
 Compare each solution to the current state using a ranking system:
 1 = Better, 0 = Same, -1 = Worse

Criteria	Solutions							Score	Rank
	Impact Score of 1 to 5	High-speed solar-powered charging stations	Modular, expandable charging units	Ultra-fast charging hubs	Solution 4	Solution 5	Solution 6		
Charging Speed	5	1	0	1	-1	1	-1	1	1
Cost Efficiency	3	0	1	-1	0	0	0	0	4
User Experience	5	1	1	0	0	-1	-1	0	4
Energy Consumption	3	1	0	-1	1	0	0	1	1
Scalability	1				-1	1	1	1	1
Criterion 6	1				1	0	-1	0	4
Number of 1	3	2	1	2	2	1			Better
Number of 0	1	2	1	2	3	2			Same
Number of -1	0	0	2	2	1	3			Worse
Base Solution Scores	3	2	-1	0	1	-2			
Weighted Solution Scores	13	8	-1	-2	1	-10			

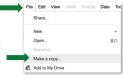
Step 5: Evaluate Results

Review the weighted scores for each solution. The solution with the highest score generally represents the best option.

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Advanced Six Sigma Pugh Matrix Template

Situation to Review

Step 1: Identify Your Solutions

List all potential solutions that could address the problem.

Solution 1	
Solution 2	
Solution 3	
Solution 4	
Solution 5	
Solution 6	

Step 2: Identify Criteria

Determine the key criteria for evaluation, such as cost, efficiency, or feasibility.

Step 3: Identify Impact Level

Assign an impact level (Low, Medium, High) to each criterion based on its importance.

Criterion 1	High
Criterion 2	
Criterion 3	
Criterion 4	
Criterion 5	
Criterion 6	

Step 4: Rank Each Solution Against the Current State

Enter the impact score for each criterion: 3 = High, 2 = Medium, 1 = Low.

Compare each solution to the current state using a ranking system:
1 = Better, 0 = Same, -1 = Worse

Criteria	Impact Score of 1 to 3	Solutions						Score	Rank
		Solution 1	Solution 2	Solution 3	Solution 4	Solution 5	Solution 6		
Criterion 1								0	1
Criterion 2								0	1
Criterion 3								0	1
Criterion 4								0	1
Criterion 5								0	1
Criterion 6								0	1
Number of 1		0	0	0	0	0	0		Better
Number of 0		0	0	0	0	0	0		Same
Number of -1		0	0	0	0	0	0		Worse
Base Solution Scores		0	0	0	0	0	0		
Weighted Solution Scores		0	0	0	0	0	0		

Step 5: Evaluate Results

Review the weighted scores for each solution. The solution with the highest score generally represents the best option.

Dropdown Key

1	Better	5	High
0	Same	3	Medium
-1	Worse	1	Low

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